

# Claims

- [c1] 1.A system for monitoring the status of a pressurized environment, said system comprising:  
a manifold for connection to said pressurized environment;  
a low pressure switch on said manifold;  
an alert display connected to said low pressure switch for displaying an alert when the pressure of said environment is below a preset limit;  
a high pressure switch on said manifold; and  
an alert display connected to said high pressure switch for displaying an alert when the pressure of said environment is above a preset limit.
- [c2] 2.The system of claim 2 wherein said system further includes:  
a pressure gauge connected to said manifold for displaying the pressure of said environment.
- [c3] 3.The system of claim 1 wherein said low pressure alert display is an LED display.
- [c4] 4.The system of claim 1 wherein said high pressure alert display is an LED display.

- [c5] 5.The system of claim 2 wherein said pressure gauge is a mechanical pressure gauge.
- [c6] 6.The system of claim 2 wherein said pressure gauge is an analog pressure gauge.
- [c7] 7.The system of claim 2 wherein said pressure gauge is a digital pressure gauge.
- [c8] 8.The system of claim 1 wherein said system further includes:  
a pressure gauge connected to said manifold for displaying the pressure of said environment;  
said low pressure alert display is an LED display mounted on said pressure gauge; and  
said high pressure alert display is an LED display mounted on said pressure gauge.
- [c9] 9.The system of claim 2 wherein said pressure gauge includes:  
a fluorescent dye with an ultraviolet light source.
- [c10] 10.The system of claim 1 wherein said pressurized environment includes:  
a coolant system for an internal combustion engine.
- [c11] 11.A system for monitoring the status of a pressurized environment, said system comprising:

a manifold for connection to said pressurized environment;  
a low pressure switch on said manifold;  
an alert display connected to said low pressure switch for displaying an alert when the pressure of said environment is below a preset limit;  
a high pressure switch on said manifold;  
an alert display connected to said high pressure switch for displaying an alert when the pressure of said environment is above a preset limit; and  
a pressure gauge connected to said manifold for displaying the pressure of said pressurized environment.

- [c12] 12.The system of claim 11 wherein said low pressure alert display is an LED display.
- [c13] 13.The system of claim 11 wherein said high pressure alert display is an LED display.
- [c14] 14.The system of claim 11 wherein said pressure gauge is a mechanical pressure gauge.
- [c15] 15.The system of claim 11 wherein said pressure gauge is an analog pressure gauge.
- [c16] 16.The system of claim 11 wherein said pressure gauge is a digital pressure gauge.

- [c17] 17.The system of claim 11 wherein said pressure gauge includes:  
a fluorescent dye with an ultraviolet light source.
- [c18] 18.The system of claim 11 wherein said pressurized environment includes:  
a coolant system for an internal combustion engine.
- [c19] 19.A method of monitoring the state of a pressurized environment, said method comprising the steps of:  
providing a pressure switch for monitoring the low pressure of said environment;  
providing a display connected to said pressure switch for displaying an alert when said environment is below a preset lower limit;  
providing a pressure switch for monitoring the high pressure of said environment; and  
providing a display connected to said high pressure switch for displaying an alert when said environment is above a preset high limit.
- [c20] 20.The method of claim 19 wherein said method further comprises:  
providing a pressure gauge for displaying the pressure of said environment.
- [c21] 21.A gauge for measuring the status of a system, said

gauge comprising:

a measurement scale;

a mechanism for displaying the status of the system  
against said measurement scale;

a fluorescent dye in said gauge; and

an ultraviolet light illuminating said fluorescent dye.

[c22] 22. The gauge of claim 21 wherein said gauge includes:  
a pressure gauge.